

IN THE CLAIMS:

Please amend claims 1, 6, and 21 as follows. Please cancel claims 22-24 without prejudice or disclaimer. Please add new claims 26-28 as follows.

1. (Currently Amended) A method comprising:

~~providing~~ receiving quality information regarding quality of results of past measurements associated with location determination by at least two measurement devices;

storing said quality information and identity information associated with the at least two measurement devices; and

providing selection information for selection of measurement devices for future location determinations, based upon the stored quality and identity information,

wherein the providing selection information comprises self-learning based upon historical quality information associated with the measurement devices.

2. (Cancelled).

3. (Previously Presented) The method of claim 1, wherein the providing selection information comprises ranking possible measurement devices based upon historical quality information associated with measurement devices.

4. (Previously Presented) The method of claim 3, comprising selecting proper measurement devices based on the ranking.

5. (Original) The method of claim 1, comprising storing information identifying at least one cell of a mobile system.

6. (Currently Amended) A method comprising:

~~triggering a location process;~~

obtaining selection information for selection of at least one measurement device when a location process is triggered, the selection information including information of measurement devices that have historically provided measurement information that satisfies a predefined criteria;

selecting at least one measurement device; and

locating user equipment based on measurement information from the selected at least one measurement device.

7. (Previously Presented) A method comprising:

storing historical data of various measurements in a mobile system;

selecting at least one measurement device based upon the historical data; and

self-learning based upon historical data associated with measurement devices.

8. (Previously Presented) The method of claim 7, wherein the self-learning comprises maintaining a self-learning table wherein look-up parameters are matched with information regarding success of measurements by measurement devices obtained after a location attempt.

9. (Previously Presented) The method of claim 8, wherein the maintaining a self-learning table comprises maintaining statistical historical information about which measurement devices were able to receive transmissions from a mobile user equipment when at least one look-up parameter was observed.

10. (Previously Presented) The method of claim 8, comprising matching cell identity and timing advance parameters and/or a location estimate with information regarding the past success of measurements by measurement devices obtained after a location attempt.

11. (Previously Presented) The method of claim 8, comprising matching look-up parameters with information regarding the past success of measurements by location measurement units obtained after an uplink time difference of arrival location attempt.

12. (Previously Presented) A system, comprising:

at least two measurement devices configured to provide measurement data for location determination;

a quality controller configured to provide quality information regarding quality of results of past measurements by the at least two measurement devices;

a storage configured to store quality information of measurements by the at least two measurement devices; and

a selection controller configured to provide selection information for selection of measurement devices for future location determinations based upon quality information that is stored in the storage,

wherein the system is configured to self-learn based upon the quality information regarding the quality of results of past measurements by the at least two measurement devices.

13. (Previously Presented) The system of claim 12, wherein the quality controller, the storage and the selection controller are provided in a location service element of a mobile system.

14. (Previously Presented) The system of claim 12, comprising a location service selector configured to select at least one measurement device based upon selection information, the selection information including information of measurement devices that have historically provided measurement information that satisfies a predefined criteria,

and to locate a user equipment based on measurement information from selected at least one measurement device.

15. (Previously Presented) The system of claim 12, wherein the selection controller is provided in a user equipment.

16. (Previously Presented) An apparatus, comprising:
a processor configured to process quality information associated with quality of results of past location measurements by a plurality of measurement devices and to provide selection information for selection of at least one measurement device for future location determinations based upon the quality information,

wherein the processor is further configured to self-learn based upon the quality information associated with the quality of results of past location measurements.

17. (Previously Presented) The apparatus of claim 16, wherein the processor is configured to decide which location measurement units can be used to locate a particular mobile user equipment.

18. (Previously Presented) The apparatus of claim 16, comprising a serving mobile location center.

19. (Previously Presented) The apparatus of claim 16, comprising a network element operably connected to a serving mobile location center.

20. (Previously Presented) The apparatus of claim 16, further comprising a user equipment.

21. (Currently Amended) A computer program comprising program code configured to perform a method when the program is run on a computer, the method comprising:

~~providing~~ receiving quality information of results of past location measurements provided by a plurality of measurement devices ~~of a first type~~;

obtaining selection information for selection of at least one of said plurality of measurement devices ~~of a first type~~ to use for future location determinations based upon the quality information; and

self-learning based upon the quality information of the results of past location measurements by the measurement devices.

22-24. (Cancelled)

25. (Previously Presented) An apparatus, comprising:

processing means for processing quality information associated with quality of results of past location measurements by a plurality of measurement devices;

means for providing selection information for selection of at least one measurement device for future location determinations based upon the quality information; and

means for self-learning based upon the quality information associated with the quality of results of past location measurements.

26. (New) An apparatus, comprising:

a receiver configured to receive quality information regarding quality of results of past measurements associated with location determination by at least two measurement devices;

a storage configured to store said quality information and identity information associated with the at least two measurement devices; and

a processor configured to provide selection information for selection of measurement devices for future location determinations based upon the stored quality and identity information,

wherein the processor is further configured to self-learn based upon historical quality information associated with the measurement devices.

27. (New) An apparatus, comprising:

a receiver configured to receive selection information for selection of at least one measurement device, the selection information including information of measurement devices that have historically provided measurement information that satisfies a predefined criteria; and

a processor configured to select at least one measurement device,

wherein the processor is configured to locate user equipment based on measurement information from the selected at least one measurement device.

28. (New) An apparatus, comprising:

a storage configured to store historical data of various measurements in a mobile system; and

a processor configured to select at least one measurement device based upon the historical data;

wherein the processor is further configured to self-learn based upon historical data associated with measurement devices.